



PATENT
Customer No. 22,852
Attorney Docket No. 09367.0052-02000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
Eugeni A. VAISBERG et al.)	Group Art Unit: 1631
Application No.: 09/718,685)	Examiner: Channing MAHATAN
Filed: November 21, 2000)	Confirmation No.: 5849
For: DATABASE SYSTEM INCLUDING)	
COMPUTER FOR PREDICTIVE)	
CELLULAR BIOINFORMATICS)	

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents on the attached listing. This Information Disclosure Statement is being filed before the mailing date of a first Office Action after the filing of a Request for Continued Examination in the above-referenced application.

Copies of the listed foreign and non-patent literature documents are attached.
Copies of the U.S. patent publications are not enclosed.

Applicant respectfully requests that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicant reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

By: 

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U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

Examiner Initials	Cite No.	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			
		US 4,818,710	04/04/1989	Sutherland et al.	
		US 4,922,092	05/01/1990	Rushbrooke et al.	
		US 5,287,272	02/15/1994	Rutenberg et al.	
		US 5,326,691	07/05/1994	Hozier	
		US 5,355,215	10/11/1994	Schroeder et al.	
		US 5,526,258	06/11/1996	Bacus	
		US 5,733,721	03/31/1998	Hemstreet, III et al.	
		US 5,768,412	06/16/1998	Mitsuyama et al.	
		US 5,777,888	07/07/1998	Rine et al.	
		US 5,893,095	04/06/1999	Jain et al.	
		US 5,962,250	10/05/1999	Gavin et al.	
		US 6,083,763	07/04/2000	Balch	
		US 6,146,830	11/14/2000	Friend et al.	
		US 6,169,816 B1	01/02/2001	Ravkin	
		US 6,222,093 B1	04/24/2001	Marton et al.	
		US 6,345,115 B1	02/05/2002	Ramm et al.	
		US 6,599,694 B2	07/29/2003	Elias	
		US 6,658,143 B2	12/02/2003	Hansen et al.	
		US RE 34,214	04/06/1993	Carlsson et al.	
		US 2002/0119441 A1	08/29/2002	Elias	
		US 2003/0228565 A1	12/11/2003	Oestreich et al.	
		US 6,615,141 B1	09/02/2003	Sabry et al.	
		US 6,738,716 B1	05/18/2004	Sabry et al.	
		US 6,631,331 B1	10/07/2003	Sabry et al.	
		US 6,651,008 B1	11/18/2003	Vaisberg et al.	
		US 6,743,576 B1	06/01/2004	Sabry et al.	
		US 2002/0049544 A1	04/25/2002	Nislow et al.	
		US 2002/0141631 A1	10/03/2002	Vaisberg et al.	
		US 2002/0154798 A1	10/24/2002	Cong et al.	
		6,518,035 B1	02/11/2003	Ashby et al.	
		6,495,337	12/17/2002	Hartman et al.	
		6,743,599	06/01/2004	Finer et al.	
		6,759,240	07/06/2004	Hartman et al.	
		6,573,061	06/03/2003	Hartman et al.	

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		US 2005/0009032 A1	01/13/2005	Coleman et al.	
		6,768,982 B1	07/21/2004	Collins et al.	
		6,272,235 B1	08/07/2001	Bacus et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation
	1.	EP 0 317 139 B1	11/02/1995			
	2.	WO 00/65472 A1	11/02/2000			
	3.	WO 00/70528 A3	11/23/2000			
	4.	WO 02/50512 A2	06/27/2002			
	5.	WO 93/21511 A1	10/28/1993			
	6.	WO 94/11841 A1	05/26/1994			
	7.	WO 95/22749 A3	08/24/1995			
	8.	WO 96/09605 A1	03/28/1996			
	9.	WO 97/11094 A1	03/27/1997			
	10.	WO 97/43732 A1	11/20/1997			
	11.	WO 99/05323 A1	02/04/1999			
	12.	WO 02/066961 A1	08/29/2002			
	13.	WO 02/47032 A1	06/13/2002			
	14.	WO 02/067182 A2/A3	08/29/2002			
	15.	WO 2002/067188 A3	08/29/2002			
	16.	WO 02/067195 A2/A3	08/29/2002			
	17.	WO 02/000940 A3	01/03/2002			
	18.	WO 02/05012 A2/A3	06/27/2002			
	19.	WO 01/81895 A2	11/01/2001			
	20.	WO 01/35072 A2	05/17/2001			

NON PATENT LITERATURE DOCUMENTS

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	21.	ADAMS et al. "Cell Patterning on Glass and Polymeric Substrates," U.S. Provisional Patent Application No. 60/138,119, filed June 7, 1999
	22.	AMACHER et al., "Tetracycline-Induced Steatosis in Primary Canine Hepatocyte Cultures," <i>Fund. Appl. Toxicol.</i> 40: 256-263 (1997)

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	23.	AMACHER, D. E., "A toxicologist's guide to biomarkers of hepatic response," <i>Human & Experimental Toxicol.</i> 21: 253-262 (2002)
	24.	BARAONA et al. "Alcoholic Hepatomegaly: Accumulation of Protein in the Liver," <i>Science</i> 190: 794-795 (1975)
	25.	BLANKENSTEIN et al., "Modular concept of a laboratory on a chip for chemical and biochemical analysis," <i>Biosensors & Bioelectronics</i> 13(3-4): 427-438 (1998)
	26.	BLOM et al., "Regional loss of the mitochondrial membrane potential in the hepatocyte is rapidly followed by externalization of phosphatidyl serines at that specific site during apoptosis," <i>JBC Papers in Press</i> , Manuscript M201264200, published Jan. 21, 2003
	27.	BOLAND et al., "Automated Recognition of Patterns Characteristic of Subcellular Structures in Fluorescence Microscopy Images," <i>Cytometry</i> 33: 366-375 (1998)
	28.	BOYCE et al. "Data Management and Presentation Methods," U.S. Provisional Patent Application No. 60/142,375, filed July 6, 1999
	29.	BOYCE et al. "System and Method to Achieve Integrated Presentation of Summary Statistics, Detail Measurements, and Raw Images While Maintaining Efficient Use of Storage Media Through Separation of the Data in an Integrated Data Management and Presentation System," U.S. Provisional Patent Application No. 60/108,291, filed November 13, 1998
	30.	CORMACK et al., "FACS-optimized mutants of the green fluorescent protein (GFP)," <i>Gene</i> . 173: 33-38 (1996)
	31.	CRAIG, Elizabeth and GROSS, Carol, "Is hsp70 the cellular thermometer?," <i>TIBS</i> 16: 135-140 (1991)
	32.	CSEKE, I., "A Fast Segmentation Scheme For White Blood Cell Images," <i>Pattern Recognition, 1992. Vol.III. Conference C: Image, Speech and Signal Analysis, Proceedings</i> 530-533
	33.	CUBITT et al., "Understanding, improving and using green fluorescent proteins," <i>TIBS</i> 20: 448-455 (1995)
	34.	DOBSON et al., "Dynamics of insulin-stimulated translocation of GLUT4 in single living cells visualised using green fluorescent protein," <i>FEBS Letters</i> 393: 179-184 (1996)
	35.	DUNLAY et al. "Data Management and Presentation Methods," U.S. Provisional Patent Application No. 60/140,240, filed June 21, 1999
	36.	FOWLER et al. "Application of Nile Red, a Fluorescent Hydrophobic Probe, for the Detection of Neutral Lipid Deposits in Tissue Sections: Comparison with Oil Red O ¹ " <i>J. of Histochem. and Cytochem.</i> 33(8): 833-836 (1985)
	37.	GEORGET et al., "Trafficking of the androgen receptor in living cells with fused green fluorescent protein - androgen receptor," <i>Molecular and Cellular Endocrinology</i> 129: 17-26 (1997)
	38.	GREENSPAN et al. "Nile Red: A Selective Fluorescent Stain for Intracellular Lipid Droplets," <i>J. Cell Biology</i> 100: 965-973 (1985)
	39.	HARTWELL et al., "Integrating Genetic Approaches Into The Discovery of Anticancer Drugs," <i>Science</i> 278(7): 1064-1068 (1997)
	40.	HOFLAND et al., "Role of tumor-derived fibroblasts in the growth of primary cultures of human breast-cancer cells: effects of epidermal growth factor and the somatostatin analogue octreotide," <i>Int. J. Cancer</i> 60: 93-99 (1995)
	41.	KOBAYASHI et al. "Prevention of Acute Liver Failure in Rats with Reversibly Immortalized Human Hepatocytes," <i>Science</i> 287: 1258-1262 (2000)
	42.	LIEBER, Charles S. "Alcohol and the Liver: Metabolism of Alcohol and its Role in Hepatic and Extrahepatic Diseases," <i>The Mount Sinai J. of Med.</i> 67(1): 84-94 (2000)
	43.	LIPPINCOTT-SCHWARTZ, Jennifer and SMITH, Carolyn L., "Insights into secretory and endocytic membrane traffic using green fluorescent protein chimeras," <i>Current Opinion in Neurobiology</i> 7: 631-639 (1997)
	44.	LU et al., "Hierarchical Shape Recognition Using Polygon Approximation and Dynamic Alignment," <i>Acoustics, Speech, and Signal Processing</i> 2: 976-979 (1988)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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8

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	45.	MCMILLIAN et al. "Nile Red Binding to HepG2 Cells: An Improved Assay for <i>In Vitro</i> Studies of Hepatosteatosi," <i>In Vitro & Molecular Toxicology</i> 14(3): 177-190 (2001)
	46.	MISTELI, Tom and SPECTOR, David L., "Applications of the green fluorescent protein in cell biology and biotechnology," <i>Nature Biotechnology</i> 15: 961-964 (1997)
	47.	NG et al., "Evaluating Multi-Dimensional Indexing Structures For Images Transformed by Principal Component Analysis," <i>Proceedings of SPIE</i> 2670: 50-61 (1996)
	48.	PALM et al., "The structural basis for spectral variations in green fluorescent protein," <i>Nature Structural Biology</i> 4(5): 361-365 (1997)
	49.	PAUWELS et al., "Combination of Computerized Morphonuclear and Multivariate Analyses to Characterize <i>In Vitro</i> the Antineoplastic Effect of Alkylating Agents," <i>J. Pharmacol. and Toxicol. Methods</i> 33(1): 35-45 (1995)
	50.	PAUWELS et al., "Determination of the Mechanism of Action of Anticancer Drugs by Means of the Computer-Assisted Microscope Image Analysis of Feulgen-Stained Nuclei," <i>J. Pharmacol. Toxicol. Methods</i> 37: 105-115 (1997)
	51.	PAUWELS et al., " <i>In Vitro</i> Digital Cell Image Analysis of Morphonuclear Modifications Induced by Natural DNA-Interacting Anticancer Drugs in Three Neoplastic Cell Lines," <i>Meth. Find. Exp. Clin. Pharmacol</i> 17(3): 151-162 (1995)
	52.	PAUWELS et al., "Monitoring Of Chemotherapy-Induced Morphonuclear Modifications By Means Of Digital Cell-Image Analysis," <i>J. Cancer Res. Clin. Oncol.</i> 119: 533-540 (1993)
	53.	PAUWELS et al., "The Application of Computerized Analysis of Nuclear Images and Multivariate Analysis to the Understanding of the Effects of Antineoplastic Agents and Their Mechanism of Action," <i>Meth. Find. Exp. Clin. Pharmacol</i> 15(2): 113-124 (1993)
	54.	RUBAS et al., "An Integrated Method to Determine Epithelial Transport and Bioactivity of Oral Drug Candidates <i>in Vitro</i> ," <i>Pharma. Research</i> 13(1): 23-26 (1996)
	55.	RUSS, J.C., "Processing Bionary Images," <i>The Image Processing Handbook</i> , 2 nd Edition, Publishers - CRC Press, Inc., Pages 457-474 (1995)
	56.	SAKAI et al., "Purification and characterization of N-acyl-D-glutamate deacylase from <i>Alcaligenes xylosoxydans</i> subsp. <i>xylosoxydans</i> A-6," <i>FEBS Letters</i> 289(1): 44-46 (1991)
	57.	SCHRODER et al., "FLIPR: A New Instrument For Accurate, High Throughput Optical Screening," <i>Journal of Biomolecular Screening</i> 1(2): 75-80 (1996)
	58.	SERBOUTI et al., "Image Segmentation and Classification Methods to Detect Leukemias," <i>Annual Int'l Conf. of IEEE Eng. In Medicine & Biology Soc.</i> 13(1): 0260-0261 (1991)
	59.	SHULGA et al., "In Vivo Nuclear Transport Kinetics in <i>Saccharomyces cerevisiae</i> : A Role for Heat Shock Protein 70 during Targeting and Translocation," <i>The Journal of Cell Biology</i> 135(2): 329-339 (1996)
	60.	SMITH, Roger James "A Pulsed Polarimeter," U.S. Provisional Patent Application No. 60/110,643, filed December 1, 1998
	61.	STEARNS et al., "Interleukin 10 (IL-10) Inhibition of Primary Human Prostate Cell-induced Angiogenesis: IL-10 Stimulation of Tissue Inhibitor of Metalloproteinase-1 and Inhibition of Matrix Metalloproteinase (MMP)-2/MMP-9 Secretion," <i>Clin. Cancer Res.</i> 5: 189-196 (1999)
	62.	SUNDBLAD et al., "The use of image analysis and automation for measuring mitotic index in apical conifer meristems," <i>J. of Experimental Botany</i> 49(327): 1749-1756 (1998)
	63.	TAKAYAMA et al., "Patterning cells and their environments using multiple laminar fluid flows in capillary networks," <i>Proc. Natl. Acad. Sci. USA</i> 96: 5545-5548 (1999)
	64.	TARASOVA et al., "Visualization of G Protein-coupled Receptor Trafficking with the Aid of the Green Fluorescent Protein," <i>J. Biological Chem.</i> 272(23): 14817-14824 (1997)
	65.	TAYLOR et al., "Automated Interactive Microscopy: Measuring and Manipulating the Chemical and Molecular Dynamics of Cells and Tissues," <i>Progress in Biomedical Optics</i> , Conference in San Jose, California, January 28 - February 1, 1996, Vol. 2678: 15-27
	66.	THIBAUT et al. "Actin filament alteration as a potential marker for cholestasis: a study in isolated rat hepatocyte couplets," <i>Toxicology</i> 73: 269-279 (1992)

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	67.	TUCHWEBER et al., "Mechanisms of Experimentally Induced Intrahepatic Cholestasis," <i>Progress in Liver Diseases, Vol. VIII</i> , Publishers - Grune & Stratton 161-178 (1986)
	68.	URIA et al., "Regulation of Collagenase-3 Expression in Human Breast Carcinomas Is Mediated by Stromal-Epithelial Cell Interactions," <i>Cancer Research</i> 57: 4882-4888 (1997)
	69.	WANG et al. "Database for Storage, Retrieval, and Analysis of Cellular Information," U.S. Provisional Patent Application No. 60/120,801, filed February 19, 1999
	70.	WANG et al. "Immunolocalization of 6xHis-tagged proteins in CHO cells with anti-His antibodies," <i>Amer. Biotech. Laboratory</i> , 8-10 December 1999
	71.	WATANABE et al. "Phalloidin Alters Bile Canalicular Contractility in Primary Monolayer Cultures of Rat Liver," <i>Gastroenterology</i> 85(2): 245-253 (1983)
	72.	WEINSTEIN et al., "An Information-Intensive Approach to the Molecular Pharmacology of Cancer," <i>Science</i> 275: 343-349 (1997)
	73.	WELSH, Stephen and KAY, Steve A., "Reporter gene expression for monitoring gene transfer," <i>Curr. Opin. Biotechnol.</i> 8(5): 617-622 (1997)
	74.	ZIMMERMAN, H. J., "Expressions of Hepatotoxicity," <i>Hepatotoxicity: The Adverse Effects of Drugs and Other Chemicals on the Liver</i> , 2 nd Edition, Publishers - Lippincott Williams & Wilkins 61-109 (1999)
	75.	ZIMMERMAN, H. J., "Classification of Hepatotoxins and Mechanisms of Toxicity," <i>Hepatotoxicity: The Adverse Effects of Drugs and Other Chemicals on the Liver</i> , 2 nd Edition, Publishers - Lippincott Williams & Wilkins 111-145 (1999)
	76.	ZIMMERMAN, H. J., "Experimental Hepatotoxicity," <i>Hepatotoxicity: The Adverse Effects of Drugs and Other Chemicals on the Liver</i> , 2 nd Edition, Publishers - Lippincott Williams & Wilkins 200-228 (1999)
	77.	ZIMMERMAN, H. J., "Toxic Cholestasis," <i>Hepatotoxicity: The Adverse Effects of Drugs and Other Chemicals on the Liver</i> , 2 nd Edition, Publishers - Lippincott Williams & Wilkins 295-323 (1999)
	78.	VAISBERG et al., "Classifying Cells Based on Information Contained in Cell Images," U.S. Patent Application No. 09/729,754, filed December 4, 2000
	79.	VAISBERG et al., "Characterizing Biological Stimuli by Response Curves," U.S. Patent Application No. 09/789,595, filed February 20, 2001
	80.	VAISBERG et al., "Image Analysis of the Golgi Complex," U.S. Patent Application No. 09/792,012, filed February 20, 2001
	81.	CONG et al., "Extracting Shape Information Contained in Cell Images," U.S. Patent Application No. 09/792,013, filed February 20, 2001
	82.	KUTSYYY et al., "Methods and Apparatus for Investigating Side Effects," U.S. Patent Application No. 10/621,821, filed July 16, 2003.
	83.	COLEMAN et al., "Methods and Apparatus for Characterising Cells and Treatments," U.S. Patent Application No. 10/615,116, filed July 7, 2003.
	84.	KUTSYYY et al., "Characterizing Biological Stimuli by Response Curves," U.S. Application No. 09/789,595, filed February 20, 2001.
	85.	BOYCE et al., "Data Management and Presentation Methods," U.S. Provisional Patent Application No. 60/142,646, filed July 6, 1999.
	86.	SABRY et al., "A Database Method for Predictive Cellular Bioinformatics," U.S. Patent Application No. 09/310,879, filed May 14, 1999.
	87.	Office Action dated May 8, 2001, for U.S. Application No. 09/310,879, filed May 14, 1999.
	88.	Office Action dated October 2, 2001, for U.S. Application No. 09/310,879, filed May 14, 1999.
	89.	Office Action dated February 6, 2002, for U.S. Application No. 09/310,879, filed May 14, 1999.
	90.	Office Action dated July 2, 2002, for U.S. Application No. 09/310,879, filed May 14, 1999.
	91.	Office Action dated October 22, 2002, for U.S. Application No. 09/310,879, filed May 14, 1999.
	92.	Office Action dated April 9, 2003, for U.S. Application No. 09/310,879, filed May 14, 1999.

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	93.	Office Action dated June 11, 2003, for U.S. Application No. 09/310,879, filed May 14, 1999.
	94.	Office Action dated October 20, 2003, for U.S. Application No. 09/310,879, filed May 14, 1999.
	95.	Office Action dated November 30, 2004, for U.S. Application No. 09/310,879, filed May 14, 1999.
	96.	VAISBERG et al., "A Database System Including Computer Code for Predictive Cellular Bioinformatics," U.S. Application No. 09/311,996, filed May 14, 1999.
	97.	Office Action dated September 29, 2000, for U.S. Application No. 09/311,996, filed May 14, 1999.
	98.	Office Action dated February 14, 2001, for U.S. Application No. 09/311,996, filed May 14, 1999.
	99.	Office Action dated October 2, 2001, for U.S. Application No. 09/311,996, filed May 14, 1999.
	100.	Office Action dated April 2, 2002, for U.S. Application No. 09/311,996, filed May 14, 1999.
	101.	Office Action dated July 16, 2002, for U.S. Application No. 09/311,996, filed May 14, 1999.
	102.	Office Action dated March 10, 2003, for U.S. Application No. 09/311,996, filed May 14, 1999.
	103.	Office Action dated November 6, 2003, for U.S. Application No. 09/311,996, filed May 14, 1999.
	104.	Office Action dated May 10, 2004, for U.S. Application No. 09/311,996, filed May 14, 1999.
	105.	Office Action dated September 24, 2004, for U.S. Application No. 09/311,996, filed May 14, 1999.
	106.	ADAMS et al., "A Database System and User Interface for Predictive Cellular Bioinformatics," U.S. Provisional Application No. 60/134,104, filed May 14, 1999.
	107.	Office Action dated January 9, 2004, for U.S. Application No. 09/790,214, filed February 20, 2001.
	108.	Office Action dated May 30, 2003, for U.S. Application No. 09/790,214, filed February 20, 2001.
	109.	Office Action dated January 16, 2003, for U.S. Application No. 09/790,214, filed February 20, 2001.
	110.	KUTSYY et al., "Methods and Apparatus for Investigating Side Effects," U.S. Application No. 10/621,821, filed July 16, 2003.
	111.	COLEMAN et al., "Methods and Apparatus for Characterising Cells and Treatments," U.S. Application No. 10/615,116, filed July 7, 2003.
	112.	SABRY et al., "A Database Method for Predictive Cellular Bioinformatics," U.S. Application No. 09/718,151, filed November 20, 2000.
	113.	Office Action dated October 6, 2003, for U.S. Application No. 09/718,151, filed November 20, 2000.
	114.	Office Action dated January 27, 2003, for U.S. Application No. 09/718,151, filed November 20, 2000.
	115.	Office Action dated April 9, 2002, for U.S. Application No. 09/718,151, filed November 20, 2000.
	116.	Office Action dated November 6, 2001, for U.S. Application No. 09/718,151, filed November 20, 2000.
	117.	SABRY et al., "A Database System for Predictive Cellular Bioinformatics," U.S. Application No. 09/718,666, filed November 21, 2000.
	118.	Office Action dated January 16, 2004, for U.S. Application No. 09/718,666, filed November 21, 2000.
	119.	Office Action dated August 12, 2003, for U.S. Application No. 09/718,666, filed November 21, 2000.
	120.	SABRY et al., "A Database System for Predictive Cellular Bioinformatics," Substitute Specification for U.S. Application No. 09/718,666, filed November 21, 2000.
	121.	Office Action dated May 9, 2002, for U.S. Application No. 09/718,666, filed November 21, 2000.
	122.	Office Action dated December 9, 2004, for U.S. Application No. 09/888,063, filed June 22, 2001.
	123.	Office Action dated June 10, 2004, for U.S. Application No. 09/888,063, filed June 22, 2001.

IDS Form PTQ/SB/08: Substitute for form 1449A/PTQ				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	09/718,685
				Filing Date	November 21, 2000
				First Named Inventor	Eugeni A. VAISBERG
				Art Unit	1631
				Examiner Name	Channing MAHATAN
Sheet	7	of	8	Attorney Docket Number	09367.0052-02000

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	124.	Office Action dated January 14, 2004, for U.S. Application No. 09/888,063, filed June 22, 2001.
	125.	Office Action dated September 24, 2003, for U.S. Application No. 09/888,063, filed June 22, 2001.
	126.	Office Action dated October 21, 2003, for U.S. Application No. 10/082,036, filed February 20, 2002.
	127.	Office Action dated April 2, 2004, for U.S. Application No. 10/082,036, filed February 20, 2002.
	128.	Office Action dated July 16, 2004, for U.S. Application No. 10/082,036, filed February 20, 2002.
	129.	Office Action dated October 7, 2004, for U.S. Application No. 10/082,036, filed February 20, 2002.
	130.	Office Action dated March 11, 2003, for U.S. Application No. 09/721,154, filed November 21, 2000.
	131.	Office Action dated September 11, 2002, for U.S. Application No. 09/721,154, filed November 21, 2000.
	132.	Office Action dated March 12, 2002, for U.S. Application No. 09/721,154, filed November 21, 2000.
	133.	Office Action dated January 21, 2003, for U.S. Application No. 09/718,704, filed November 21, 2000.
	134.	Office Action dated October 22, 2002, for U.S. Application No. 09/718,704, filed November 21, 2000.
	135.	Office Action dated April 8, 2002, for U.S. Application No. 09/718,704, filed November 21, 2000.
	136.	Office Action dated November 19, 2002, for U.S. Application No. 09/718,766, filed November 21, 2000.
	137.	Office Action dated March 21, 2002, for U.S. Application No. 09/718,766, filed November 21, 2000.
	138.	Office Action dated February 10, 2003, for U.S. Application No. 09/718,836, filed November 21, 2000.
	139.	Office Action dated March 25, 2002, for U.S. Application No. 09/718,836, filed November 21, 2000.
	140.	Office Action dated June 30, 2003, for U.S. Application No. 09/311,890, filed May 14, 1999.
	141.	Office Action dated October 22, 2002, for U.S. Application No. 09/311,890, filed May 14, 1999.
	142.	Office Action dated March 26, 2002, for U.S. Application No. 09/311,890, filed May 14, 1999.
	143.	Office Action dated July 16, 2001, for U.S. Application No. 09/311,890, filed May 14, 1999.
	144.	International Preliminary Examination Report completed March 6, 2003, for Application No. PCT/US01/47820, filed December 12, 2001.
	145.	Written Opinion mailed December 2, 2002, for Application No. PCT/US01/47820, filed December 12, 2001.
	146.	International Preliminary Examination Report completed May 22, 2003, for Application No. PCT/US01/20136, filed June 22, 2001.
	147.	Written Opinion mailed March 3, 2003, for Application No. PCT/US01/20136, filed June 22, 2001.
	148.	International Preliminary Examination Report completed February 3, 2003, for Application No. PCT/US01/13248, filed April 24, 2001.
	149.	Written Opinion mailed December 13, 2002, for Application No. PCT/US01/13248, filed April 24, 2001.
	150.	International Preliminary Examination Report completed September 26, 2002, for Application No. PCT/US01/27709, filed September 7, 2001.
	151.	Written Opinion mailed July 1, 2002, for Application No. PCT/US01/27709, filed September 7, 2001.
	152.	International Preliminary Examination Report completed February 9, 2004, for Application No. PCT/US02/05553, filed February 20, 2002.
	153.	International Preliminary Examination Report completed September 19, 2003, for Application No. PCT/US02/04492, filed February 14, 2002.
	154.	Written Opinion mailed June 12, 2003, for Application No. PCT/US02/04492, filed February 14, 2002.

IDS Form PTO/SB/08: Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	09/718,685
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				First Named Inventor	Eugeni A. VAISBERG
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	155.	HALL et al., "Two methods of assessment of methotrexate hepatotoxicity in patients with rheumatoid arthritis," <i>Annals of the Rheumatic Diseases</i> , 50(7): 471-476 (1991)
	156.	MOLINARI et al, "Automated Image Analysis for Monitoring Oxidative Burst in Macrophages," <i>Analytical and Quantitative Cytology and Histology</i> , 22(5): 423-427 (2000)
	157.	SAKAI et al., "Rapid and Sensitive Neurotoxicity Test Based on the Morphological Changes of PC12 Cells with Simple Computer-Assisted Image Analysis," <i>J. Bioscience and Bioengineering</i> , 90(1): 20-24 (2000)
	158.	Sturgeon et al., "In vivo assessment of microcystin-LR-induced hepatotoxicity in the rat using proton nuclear magnetic resonance (¹ H-NMR) imaging," <i>Biochimica et Biophysica Acta</i> , 1454: 227-235 (1999).
	159.	Towner et al., "Non-invasive in vivo magnetic resonance imaging assessment of acute aflatoxin B1 hepatotoxicity in rats," <i>Biochimica et Biophysica Acta</i> , 1475: 314-320 (2000)
	160.	International Search Report and Written Opinion mailed December 16, 2004, for Application No. PCT/US2004/022970, filed July 15, 2004.
	161.	New Riverside University Dictionary, published by Houghton Mifflin Company, One Beacon Street, Boston, MA, 02108, p 413 (1984).
	162.	Office Action dated June 15, 2005, for U.S. Application No. 11/053,761, filed February 8, 2005.
	163.	Office Action dated June 15, 2005, for U.S. Application No. 10/987,165, filed November 15, 2004.
	164.	Office Action dated June 6, 2005, for U.S. Application No. 09/888,063, filed June 22, 2001.
	165.	ROJANASAKUL "Antisense oligonucleotide therapeutics: drug delivery and targeting," <i>Advanced Drug Delivery Reviews</i> 18:115-131 (1996)
	166.	Office Action dated May 19, 2005, for U.S. Application No. 09/310,879, filed May 14, 1999.
	167.	International Preliminary Examination Report completed April 5, 2005, for Application No. PCT/US02/05266, filed February 20, 2002.
	168.	Written Opinion mailed March 3, 2005, for Application No. PCT/US02/05266, filed February 20, 2002.
	169.	PAULL et al. "Display and Analysis of Patterns of Differential Activity of Drugs Against Human Tumor Cell Lines: Development of Mean Graph and COMPARE Algorithms," <i>J. National Cancer Institute</i> 81(14):1088-1092 (1989).
	170.	BLOSE et al. "10-nm Filaments Are Induced to Collapse in Living Cells Microinjected with Monoclonal and Polyclonal Antibodies Against Tubulin," <i>J. Cell Biology</i> 98: 847-858 (1984)
	171.	Written Opinion mailed May 26, 2005, for Application No. PCT/US02/05728, filed February 13, 2002.

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.